Cytomix Corporation

8000 Virginia Manor Road, Beltsville, MD 20705, phone 301-470-6267 or fax 301-470-6269

■ Coating Products



FluoroPel - hydrophobic and super hydrophobic fluoropolymer coatings, adhesives and molded products. **FluoroTAC** - fluoropolymer adhesives and super hydrophobic die-cut tapes and films. **Fluorothane** - hydrophobic and super hydrophobic coatings for aircraft, marine and ground-based radomes.

FluorN - fluorosurfactant dispersing, wetting and leveling agents for resins and plastics. **FluoroSyl** - fluorosilanes for lubricity, surface protection, hydrophobicity and fluoropolymer adhesion.

OEM Products



MicroTools - resealable closure and diagnostic slide with hydrophobic mask.

MetaCell - resealable chamber and diagnostic slide with hydrophobic mask.

MicroCytometer - disposable, precision capillary hemacytometers.

MicroPlates - super hydrophobic mask on films, cover-slips and large-format plates.

NanoArrays - DNA quantitation and single strand amplification in nanoliter arrays.



T 37	77.2 4	Co-wall Mark	DD	mi
L Number	Hits	Search Text	DB	Time stamp
1	15	silicon same oxide same fluorene	USPAT	2002/12/14 09:18
2	10	cytonix	USPAT	2002/12/14 09:18
3	17	cytonix	USPAT; US-PGPUB	2002/12/14 08:40
1.				
4	10914	perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:14
		or fluorene or pfte	US-PGPUB	
5	470612	oxide	USPAT;	2002/12/14 08:41
			US-PGPUB	
6	1057489	array or chip or silicon or wafter of	USPAT;	2002/12/14 09:15
_		microarray or microchip or slide	US-PGPUB	
7	85	(perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:00
		or fluorene or pfte) same oxide same (array	US-PGPUB	
		or chip or silicon or wafter of microarray		
		or microchip or slide)		
8	20	((perflurocoat or fluoropel or	USPAT;	2002/12/14 09:01
		fluoropolymers or fluorene or pfte) same	US-PGPUB	
		oxide same (array or chip or silicon or		
		wafter of microarray or microchip or slide))		
	506	and (dna or nucleic or oligo\$8 or genomic)	11CD3 III	5000 (10 (14 00 00
9	596	teflon same oxide same (array or chip or	USPAT;	2002/12/14 09:00
		silicon or wafter of microarray or microchip	US-PGPUB	
10	1.0	or slide)	IIODam	2002/12/14 00 01
10	10	(teflon same oxide same (array or chip or silicon or wafter of microarray or microchip	USPAT;	2002/12/14 09:01
		or slide)) same (dna or nucleic or oligo\$8	US-PGPUB	
		or genomic)		
11	76305	perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:20
	/6303	or fluorene or pfte or teflon	US-PGPUB	2002/12/14 09.20
12	6109	(perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:14
12	0103	or fluorene or pfte or teflon) same (array	US-PGPUB	2002/12/14 03.14
		or chip or silicon or wafter of microarray	05 10102	
		or microchip or slide)		
13	674		USPAT;	2002/12/14 09:14
1 - 0	, , ,	fluoropolymers or fluorene or pfte or	US-PGPUB	2002, 22, 21 03.21
1		teflon) same (array or chip or silicon or	05 10105	
		wafter of microarray or microchip or slide))		
		same oxide		
14	1	!	USPAT;	2002/12/14 09:16
			US-PGPUB	
15	0	cytonix near3 oxidiz\$3 near3 (array or chip	USPAT;	2002/12/14 09:15
		or silicon or wafter of microarray or	US-PGPUB	
		microchip or slide)		
16	1076270		USPAT;	2002/12/14 09:16
		microarray or microchip or slide	US-PGPUB	
17	1	cytonix near3 oxidiz\$3 near3 (array or chip	USPAT;	2002/12/14 09:16
		or silicon or wafer of microarray or	US-PGPUB	
		microchip or slide)		
18	1	(perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:20
		or fluorene or pfte or teflon) near3	US-PGPUB	
		oxidiz\$3 near3 (array or chip or silicon or		
	1	wafer of microarray or microchip or slide)		
19	5	(F	USPAT;	2002/12/14 09:18
		or fluorene or pfte or teflon) near8	US-PGPUB	
		oxidiz\$3 near8 (array or chip or silicon or		
	_	wafer of microarray or microchip or slide)		0000/10/11 11
20	0	silicon same oxide same fluorene	EPO	2002/12/14 09:18
21	0	silicon same oxide same fluorene	DERWENT	2002/12/14 09:18
22	8	cytonix	EPO;	2002/12/14 09:19
122	_	(norfluregest or flueress) or flueress	DERWENT	2002/12/14 00 00
23	0	(perflurocoat or fluoropel or fluoropolymers	EPO;	2002/12/14 09:20
		or fluorene or pfte or teflon) near3	DERWENT	
		oxidiz\$3 near3 (array or chip or silicon or		
L	ļ	wafer of microarray or microchip or slide)	<u> </u>	

L Number Hits Search Text	DB	Time stamp
1 436357 oxide U	USPAT	2003/03/20 09:31
	USPAT	2003/03/20 09:33
(ptfe or fep or tefzel or fvdf or		
perfluoroalkoxy) or perflurocoat or		
fluoropel		0000/00/00
	USPAT	2003/03/20 09:33
	USPAT	2003/03/20 09:34
5 213791 (etch\$ or scratch\$) or (positive near3 Uphotoresist\$)	USPAT	2003/03/20 09:34
	USPAT	2003/03/20 09:35
polymer\$ or (ptfe or fep or tefzel or fvdf	ODIAI	2003/03/20 03.33
or perfluoroalkoxy) or perflurocoat or		
fluoropel) and ((etch\$ or scratch\$) or		
(positive near3 photoresist\$))		
	USPAT	2003/03/20 09:36
polymer\$ or (ptfe or fep or tefzel or fvdf		
or perfluoroalkoxy) or perflurocoat or		
fluoropel) and ((etch\$ or scratch\$) or		
(positive near3 photoresist\$))) and (DNA or		
rna or nucleic or oligonucleoti\$5) 8 119 oxide same (fluoropolymer\$ or fluorene near3 U	USPAT	2003/03/20 09:35
polymer\$ or (ptfe or fep or tefzel or fvdf	USPAI	2003/03/20 09:33
or perfluoroalkoxy) or perflurocoat or		
fluoropel) same ((etch\$ or scratch\$) or		
(positive near3 photoresist\$))		
	USPAT	2003/03/20 09:36
near3 polymer\$ or (ptfe or fep or tefzel or		
fvdf or perfluoroalkoxy) or perflurocoat or		
fluoropel) same ((etch\$ or scratch\$) or		
(positive near3 photoresist\$))) same (DNA or		
rna or nucleic or oligonucleoti\$5) 1 (oxide same (fluoropolymer\$ or fluorene	USPAT	2002/02/20 00:30
10 1 (oxide same (fluoropolymer\$ or fluorene unear3 polymer\$ or (ptfe or fep or tefzel or	USPAT	2003/03/20 09:38
fvdf or perfluoroalkoxy) or perflurocoat or		
fluoropel) same ((etch\$ or scratch\$) or		
(positive near3 photoresist\$))) and (DNA or		
rna or nucleic or oligonucleoti\$5)		
	USPAT	2003/03/20 09:39
polymer\$ or (ptfe or fep or tefzel or fvdf		
or perfluoroalkoxy) or perflurocoat or		
fluoropel)	II (A D A M	2002/02/20 00 20
	USPAT USPAT	2003/03/20 09:38 2003/03/20 09:38
near3 polymer\$ or (ptfe or fep or tefzel or	USFAI	2003/03/20 09.38
fvdf or perfluoroalkoxy) or perflurocoat or		
fluoropel)) same silicon\$		
	USPAT	2003/03/20 09:39
	USPAT	2003/03/20 09:39
silicon\$		
	USPAT	2003/03/20 09:39
17 16 ((oxide same (etch\$ or scratch\$)) same Usilicon\$) same (DNA or RNA or nucleic or	USPAT	2003/03/20 09:46
silicons) same (DNA or RNA or nucleic or oliqo\$9)		
	USPAT	2003/03/20 09:46
germania or "germanium dioxide"		= 113, 33, 20 03.40
	USPAT	2003/03/20 09:46
polymer\$ or (ptfe or fep or tefzel or fvdf		
or perfluoroalkoxy) or perflurocoat or		
fluoropel)		
	USPAT	2003/03/20 09:48
near3 polymer\$ or (ptfe or fep or tefzel or		
fvdf or perfluoroalkoxy) or perflurocoat or fluoropel)) same ((etch\$ or scratch\$) or		
(positive near3 photoresist\$))		
	USPAT	2003/03/20 09:48
near3 polymer\$ or (ptfe or fep or tefzel or		=====================================
fvdf or perfluoroalkoxy) or perflurocoat or		
fluoropel)) same ((etch\$ or scratch\$) or		
(positive near3 photoresist\$))) and (array		
or biochip or microarray)		

Page 1

L Number	Wite	Search Text	DB	Time stamp
1	436357		USPAT	2003/03/20 09:31
2	28804	fluoropolymer\$ or fluorene near3 polymer\$ or	USPAT	2003/03/20 09:31
-	20004	(ptfe or fep or tefzel or fvdf or	ODIMI	2003,03,20 03.33
		perfluoroalkoxy) or perflurocoat or		
		fluoropel		
3	212887	etch\$ or scratch\$	USPAT	2003/03/20 09:33
4	6240	positive near3 photoresist\$	USPAT	2003/03/20 09:34
5	213791	(etch\$ or scratch\$) or (positive near3	USPAT	2003/03/20 09:34
-		photoresist\$)		
6	2530	oxide and (fluoropolymer\$ or fluorene near3	USPAT	2003/03/20 09:35
		polymer\$ or (ptfe or fep or tefzel or fvdf		
		or perfluoroalkoxy) or perflurocoat or		
		fluoropel) and ((etch\$ or scratch\$) or		
		(positive near3 photoresist\$))		
7	92	(oxide and (fluoropolymer\$ or fluorene near3	USPAT	2003/03/20 09:36
		polymer\$ or (ptfe or fep or tefzel or fvdf		
		or perfluoroalkoxy) or perflurocoat or		
		fluoropel) and ((etch\$ or scratch\$) or		
		(positive near3 photoresist\$))) and (DNA or		
		rna or nucleic or oligonucleoti\$5)		
8	119		USPAT	2003/03/20 09:35
į		polymer\$ or (ptfe or fep or tefzel or fvdf		
		or perfluoroalkoxy) or perflurocoat or		
İ		fluoropel) same ((etch\$ or scratch\$) or		
_		(positive near3 photoresist\$))		
9	0	[,	USPAT	2003/03/20 09:36
		near3 polymer\$ or (ptfe or fep or tefzel or		
:		fvdf or perfluoroalkoxy) or perfluoroat or		
		fluoropel) same ((etch\$ or scratch\$) or		
		(positive near3 photoresist\$))) same (DNA or		
10	1	rna or nucleic or oligonucleoti\$5) (oxide same (fluoropolymer\$ or fluorene	USPAT	2003/03/20 09:38
10	1	near3 polymer\$ or (ptfe or fep or tefzel or	USPAI	2003/03/20 09:38
		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel) same ((etch\$ or scratch\$) or		
i		(positive near3 photoresist\$))) and (DNA or		
		rna or nucleic or oligonucleoti\$5)		
11	2074		USPAT	2003/03/20 09:39
		polymer\$ or (ptfe or fep or tefzel or fvdf		
		or perfluoroalkoxy) or perflurocoat or		
		fluoropel)		1
12	402724		USPAT	2003/03/20 09:38
13	509	(oxide same (fluoropolymer\$ or fluorene	USPAT	2003/03/20 09:38
		near3 polymer\$ or (ptfe or fep or tefzel or		
		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel)) same silicon\$		1
14	50215		USPAT	2003/03/20 09:39
15	31943	1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	USPAT	2003/03/20 09:39
		silicon\$		
16	113154	1	USPAT	2003/03/20 09:39
17	16		USPAT	2003/03/20 09:46
		silicon\$) same (DNA or RNA or nucleic or		
1.0	EE1000	oligo\$9)	HODAT	2002/02/20 00:45
18	551988	oxide or "silicon dioxide" or silica or germania or "germanium dioxide"	USPAT	2003/03/20 09:46
19	2074	1 2	USPAT	2003/03/20 09:46
19	2074	polymer\$ or (ptfe or fep or tefzel or fvdf	USPAI	2003/03/20 09:46
		or perfluoroalkoxy) or perflurocoat or		
		fluoropel)		
20	119	, <u>-</u>	USPAT	2003/03/20 09:48
	117	near3 polymer\$ or (ptfe or fep or tefzel or		= 333, 33, 23 33.40
,		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel)) same ((etch\$ or scratch\$) or		
		(positive near3 photoresist\$))		
21	50	((oxide same (fluoropolymer\$ or fluorene	USPAT	2003/03/20 11:01
	_	near3 polymer\$ or (ptfe or fep or tefzel or		' '
		fvdf or perfluoroalkoxy) or perflurocoat or		
			1	1
		fluoropel)) same ((etch\$ or scratch\$) or	1	
		(positive near3 photoresist\$))) and (array or biochip or microarray)		

L Number	Hits		DB	Time stamp
1	436	beattie.in.	USPAT;	2003/03/20 09:58
			US-PGPUB;	
			DERWENT	
2	20	beattie.in. and silicon	USPAT;	2003/03/20 10:01
			US-PGPUB;	
	Ì		DERWENT	
3	62	5843767.URPN.	USPAT	2003/03/20 10:00
4	38		USPAT;	2003/03/20 10:01
1		Jordan Mila Onfac	US-PGPUB;	2003/03/20 10:01
			DERWENT	
5	1	5943767 HDDN and fluorenelymen	1	2003/03/20 10:01
	*	5843767.URPN. and fluoropolymer	USPAT;	2003/03/20 10:01
			US-PGPUB;	
		50400000 00000	DERWENT	
6	0	5843767.URPN. and florene	USPAT;	2003/03/20 10:01
			US-PGPUB;	
			DERWENT	
7	0	5843767.URPN. and fluorene	USPAT;	2003/03/20 10:02
			US-PGPUB;	
			DERWENT	
8	35	5843767.URPN. and (polycarbonate or	USPAT;	2003/03/20 10:03
		teflon)	US-PGPUB;	
		,	DERWENT	
9	4	5843767.URPN. and (hydrophobic near5	USPAT;	2003/03/20 10:05
1	1	coat\$3)	US-PGPUB;	2003/03/20 10:03
		Coacysy		
10	3	(E042767 HDDN and mide) and (b) d and 1	DERWENT	0000/00/00 10 10
10	3	(5843767.URPN. and oxide) and (hydrophobic	USPAT;	2003/03/20 10:12
		near5 coat\$3)	US-PGPUB;	
			DERWENT	
11	17	photoresist same fluorene	USPAT;	2003/03/20 10:30
			US-PGPUB;	
			DERWENT	
12	264	oxide and silicon and porous and fluorene	USPAT;	2003/03/20 10:31
}		-	US-PGPUB;	·
			DERWENT	
13	141288	oxide near8 silicon	USPAT;	2003/03/20 10:31
			US-PGPUB;	2000,00,20 20.01
			DERWENT	
14	3	(oxide and silicon and porous and	USPAT;	2003/03/20 10:35
		fluorene) and coat\$3 near8 fluorene	l '	2003/03/20 10:33
1		Indotency and coatys hears indotence	US-PGPUB;	
15	91	/ordedo and military and manager	DERWENT	
1.0	31	(oxide and silicon and porous and fluorene) and oxide near8 silicon	USPAT;	2003/03/20 10:31
		Truorene, and Oxide hears Silicon	US-PGPUB;	
16	_	//	DERWENT	
16	3	((oxide and silicon and porous and	USPAT;	2003/03/20 10:33
		fluorene) and coat\$3 near8 fluorene) and	US-PGPUB;	
		((oxide and silicon and porous and	DERWENT	
		fluorene) and oxide near8 silicon)		
17	5	(oxide and silicon and porous and	USPAT;	2003/03/20 10:33
		fluorene) and 435/6.ccls.	US-PGPUB;	
			DERWENT	
18	8	(oxide and silicon and porous and	USPAT;	2003/03/20 10:38
		fluorene) and (coat\$3 or layer) near8	US-PGPUB;	-100,00,20 10.30
		fluorene	DERWENT	
19	34	(mask\$3 or etch\$3) same fluorene	1	2003/03/20 10:40
	24	/wasyds of econds) same finoteme	USPAT;	2003/03/20 10:40
			US-PGPUB;	
20	2.5	//magh62 am atah62) 53	DERWENT	
20	25	((mask\$3 or etch\$3) same fluorene) and	USPAT;	2003/03/20 10:40
		oxide	US-PGPUB;	
			DERWENT	

L Number	Hits	Search Text	DB	Time stamp
1	115	hydrophobic near3 mask	USPAT;	2003/03/20 11:53
			US-PGPUB;	
			DERWENT	
2	5	(hydrophobic near3 mask) same (oxide or	USPAT;	2003/03/20 11:54
		"silicon dioxide")	US-PGPUB;	
			DERWENT	
3	71	teflon near3 mask	USPAT;	2003/03/20 11:54
į			US-PGPUB;	
			DERWENT	
4	4	(teflon near3 mask) same (oxide or "silicon	USPAT;	2003/03/20 11:56
		dioxide")	US-PGPUB;	
			DERWENT	
5	11819		USPAT;	2003/03/20 11:56
		fluoropolymer	US-PGPUB;	
_		/63	DERWENT	
6	91	(fluorothane or fluorourethane or	USPAT;	2003/03/20 11:56
		fluoropolymer) same mask	US-PGPUB;	
7	140	(6]	DERWENT	2002/02/02 55 55
/	142	(fluorothane or fluorourethane or	USPAT;	2003/03/20 11:56
		fluoropolymer) same (mask or photoresist)	US-PGPUB;	
		//fluorothana on fluoroumathana on	DERWENT	2002/02/00 12 00
8	22	((fluorothane or fluorourethane or	USPAT;	2003/03/20 12:00
		fluoropolymer) same (mask or photoresist)) same (oxide or "silicon dioxide")	US-PGPUB;	
9	1	(((fluorothane or fluorourethane or	DERWENT	2003/03/20 12:00
2			USPAT;	2003/03/20 12:00
		fluoropolymer) same (mask or photoresist)) same (oxide or "silicon dioxide")) and 435/6	US-PGPUB; DERWENT	
		same (oxide or silicon dioxide")) and 435/6	DEKWENT	

Search	Ν	0	te	s
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Application No.	Applicant(s)
10/008,185	MULLEN ET AL.
Examiner	Art Unit
Jeanine A Goldberg	1634

SEARCHED					
Class	Subclass	Date	Examiner		
435	6				
	287.2				
	283.1				
	287.9				

INTERFERENCE SEARCHED				
Class	Subclass	Date	Examiner	
			-	

SEARCH NOTES (INCLUDING SEARCH STRATEGY)			
	DATE	EXMR	
Palm Author search; Keyword Search see attached.			